Performance Data Sheet

AVB5535EXH

General Information

Model	AVB5535EXH	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	575V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-15	Btu/h	9850	7750					
	Watts	1320	1350					
	Amps	2.14	2.21					
	Lb/h	128	104					
-10	Btu/h	12100	9960	8020				
	Watts	1450	1480	1510				
	Amps	2.24	2.31	2.38				
	Lb/h	156	133	111				
-5	Btu/h	14500	12300	10300	8400			
	Watts	1570	1600	1640	1680			
	Amps	2.35	2.41	2.48	2.54			
	Lb/h	185	163	142	121			
0	Btu/h	17100	14800	12800	10800	8740		
	Watts	1680	1720	1770	1820	1870		
	Amps	2.45	2.51	2.58	2.64	2.68		
	Lb/h	217	195	175	154	130		
5	Btu/h	19900	17500	15400	13300	11200		
	Watts	1780	1840	1900	1960	2010		
	Amps	2.55	2.61	2.68	2.75	2.80		
	Lb/h	251	229	209	189	166		
10	Btu/h	23000	20400	18200	16000	13800	11400	8620
	Watts	1870	1950	2020	2090	2160	2210	2260
	Amps	2.64	2.70	2.78	2.86	2.93	2.95	2.90
	Lb/h	288	265	246	225	203	176	142
15	Btu/h	26300	23600	21200	18900	16600	14100	11200
	Watts	1950	2040	2140	2220	2300	2370	2420
	Amps	2.72	2.79	2.88	2.98	3.06	3.09	3.07
	Lb/h	327	305	284	264	242	216	183
20	Btu/h	30000	27100	24500	22000	19600	17000	14000
	Watts	2010	2130	2240	2350	2440	2530	2590
	Amps	2.79	2.87	2.98	3.09	3.19	3.25	3.25
	Lb/h	370	347	326	306	284	257	225

25	Btu/h	34000	30800	28000	25400	22700	20000	16900
	Watts	2050	2200	2340	2470	2580	2680	2760
	Amps	2.84	2.94	3.06	3.20	3.32	3.40	3.44
	Lb/h	417	393	371	350	328	301	269
30	Btu/h	38400	34900	31800	29000	26200	23200	20000
	Watts	2080	2250	2420	2570	2710	2830	2940
	Amps	2.88	2.99	3.14	3.29	3.44	3.56	3.62
	Lb/h	468	442	419	398	375	348	315
35	Btu/h	43100	39400	36000	32900	29900	26700	23300
	Watts	2080	2290	2490	2670	2840	2980	3100
	Amps	2.89	3.03	3.20	3.38	3.56	3.71	3.81
	Lb/h	523	495	471	449	425	397	365
40	Btu/h	48300	44300	40600	37200	33900	30400	26800
	Watts	2060	2300	2540	2750	2950	3120	3270
	Amps	2.88	3.04	3.24	3.46	3.67	3.86	4.00
	Lb/h	583	553	528	504	478	450	417
45	Btu/h	54000	49500	45500	41800	38200	34500	30600
	Watts	2010	2300	2570	2820	3050	3250	3430
	Amps	2.84	3.03	3.27	3.52	3.77	4.00	4.18
	Lb/h	647	616	588	563	536	507	472
50	Btu/h	60200	55300	50900	46800	42900	38900	34700
	Watts	1940	2270	2580	2860	3130	3370	3580
	Amps	2.77	3.00	3.27	3.56	3.86	4.13	4.36
	Lb/h	717	683	654	626	598	567	532
55	Btu/h	66800	61500	56700	52300	47900	43600	39100
	Watts	1830	2210	2560	2890	3200	3470	3720
	Amps	2.68	2.94	3.25	3.59	3.92	4.24	4.53
	Lb/h	793	756	724	694	664	632	595

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.399723E+04	1.770864E+03	5.205003E+00	7.258689E+02
C2	8.755978E+02	-1.381494E+01	4.057461E-02	8.090384E+00
C3	-1.109126E+03	-9.400041E+00	-9.532346E-02	-1.278847E+01
C4	9.507407E+00	-7.024996E-01	-6.830514E-04	9.028386E-02
C5	-6.091951E+00	6.127915E-01	-4.642916E-04	-3.913641E-02
C6	8.785434E+00	1.394620E-01	1.046328E-03	1.105949E-01
C7	3.877009E-02	-2.692465E-03	-3.525142E-06	4.329437E-04
C8	-6.271035E-02	6.410780E-03	7.271655E-06	-5.359152E-04
C9	2.374280E-02	-2.157744E-03	2.637004E-06	2.485364E-04
C10	-2.816656E-02	-4.541125E-04	-3.559831E-06	-3.781883E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature